

Figure 1. Agarose Gel Electrophoresis of DNA isolated from whole blood using MagaCell™ or Qiagen QIAamp DNA Mini Kit, showing high molecular weight DNA isolated by both techniques.

- Lane 1: 1 Kb DNA Ladder**
- Lane 2: Calf thymus DNA Control**
- Lanes 3, 5, 7, 9, and 11: DNA isolated by MagaCell**
- Lanes 4, 6, 8, 10, and 12: DNA isolated by QIAamp**

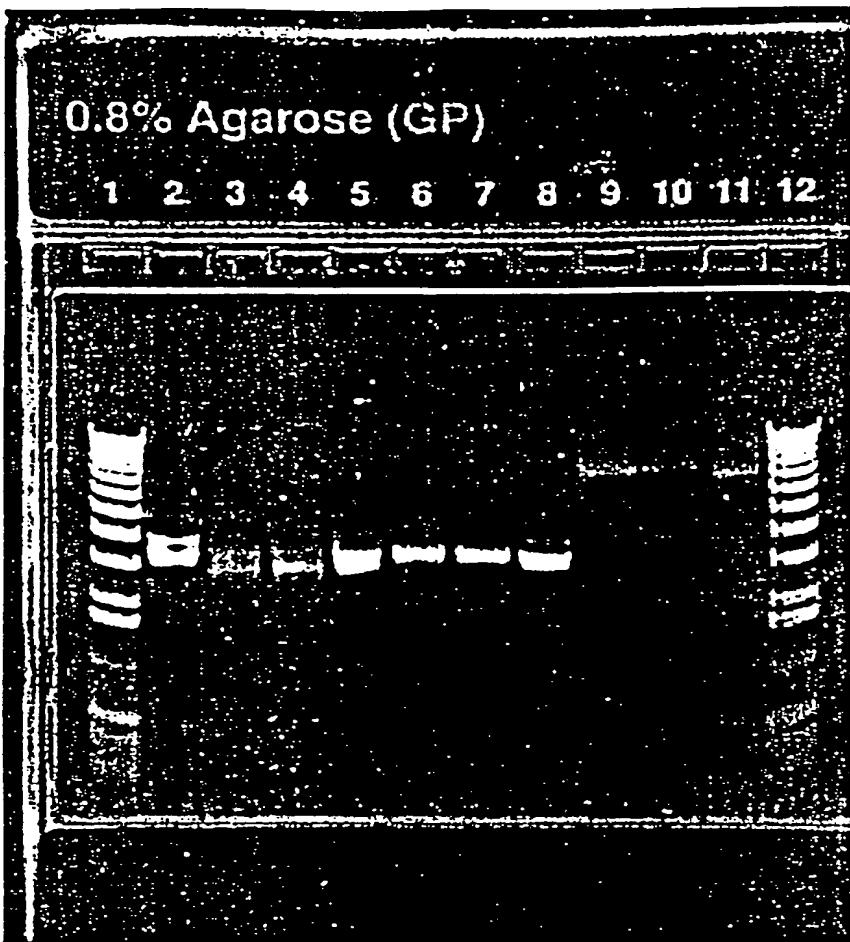


Figure 2. Agarose Gel Electrophoresis of Plasmid DNA isolated from bacterial cell lysates, using MaCell™ or Qiagen QIAprep Miniprep Kit. Two different sizes of high quality plasmid DNA were isolated by both methods.

Lanes 1 and 12: 1 Kb DNA Ladder

Lane 2: Plasmid DNA PBA117 Control

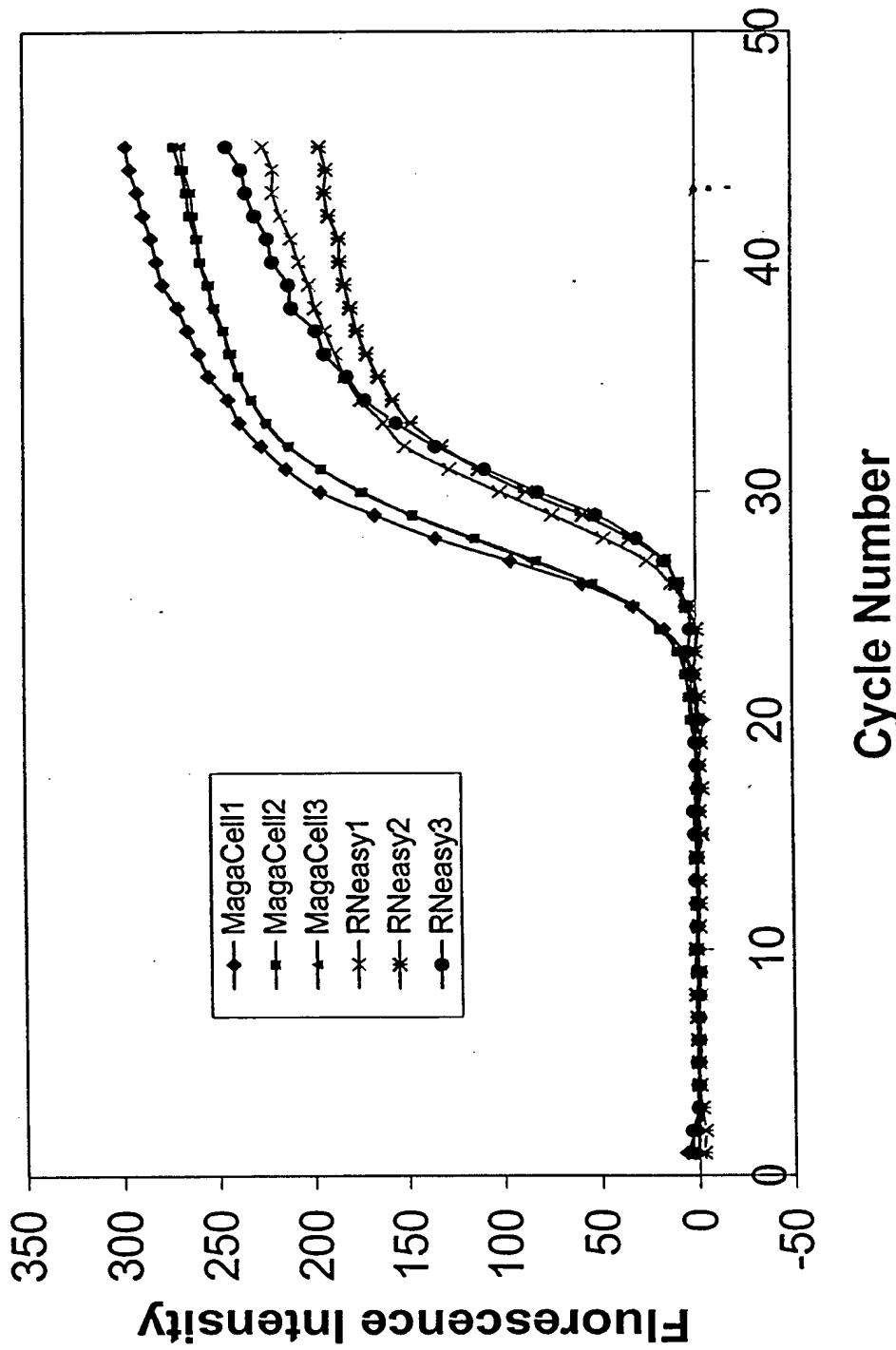
Lanes 3, 4, 6, and 7: Plasmid DNA PBA117 isolated by MagaCell

Lanes 5 and 8: Plasmid DNA PBA117 isolated by QIAprep Miniprep

Lanes 9 and 10: Plasmid DNA PBA8 isolated by MagaCell

Lane 11: Plasmid DNA PBA8 isolated by QIAprep Miniprep

Figure 3. Real Time RT-PCR Quantitation of MS2 Viral RNA Isolated by MagaCell™ or RNeasy Kit



Significant increase in fluorescence intensity was observed after 26 cycles of amplification when MagaCell-purified RNA was used as compared to 29 cycles when RNeasy-purified RNA was used.